

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	(firmware with (receiv\$3 receipt) with (request\$3 inquer\$3 messag\$3) with remot\$3 with administrator)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/19 11:19
L2	10	((spawn\$3 launch\$3 start\$3 initiat\$3 instantiat\$3) with (low\$3) with priorit\$3 with (task\$3 thread\$3 process\$3)) same (event messag\$3) same remot\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/19 11:24
L3	19	((spawn\$3 launch\$3 start\$3 initiat\$3 instantiat\$3) with (task\$3 thread\$3 process\$3)) same (event messag\$3) same (remot\$3 with administrator)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/19 11:20
L4	2	((spawn\$3 launch\$3 start\$3 initiat\$3 instantiat\$3) with (task\$3 thread\$3 process\$3)) same (event messag\$3) same (remote with administrator) same firmware	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/19 11:22
L5	14	((spawn\$3 launch\$3 start\$3 initiat\$3 instantiat\$3) with (task\$3 thread\$3 process\$3)) same (event messag\$3) same (remote with administrator)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/19 11:22
L6	4	((spawn\$3 launch\$3 start\$3 initiat\$3 instantiat\$3 process\$3 execut\$3 perform\$3) with (task\$3 thread\$3 process\$3)) same (event request\$3 messag\$3) same (flag\$4) same (remot\$3 with administrator)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/19 11:23
L7	79	((spawn\$3 launch\$3 start\$3 initiat\$3 instantiat\$3 process\$3 execut\$3 perform\$3) with (task\$3 thread\$3 process\$3)) same (event request\$3 messag\$3) same (flag\$4 indicat\$3 signal\$4) same (remot\$3 with administrator)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/19 11:23
L8	21	17 and firmware	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/19 11:23
L9	0	17 and 718/102,103,107,108.ccls	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/19 11:29

EAST Search History

L14	0	15 and 718/102,103,107,108.ccls	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/19 11:27
L15	0	13 and 718/102,103,107,108.ccls	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/19 11:27
L16	0	13 and 719/318.ccls	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/19 11:27
L17	0	15 and 719/318.ccls	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/19 11:27
L18	0	17 and 719/318.ccls	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/19 11:27
L19	0	17 and 718/100.ccls	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/19 11:29
L21	0	15 and 718/100.ccls	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/19 11:30
L22	0	13 and 718/100.ccls	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/19 11:30

64 A software engineering perspective on algorithmics



Karsten Weihe

March 2001

ACM Computing Surveys (CSUR), Volume 33 Issue 1

Publisher: ACM Press

Full text available: [pdf\(1.62 MB\)](#)

[Additional Inform](#)

An algorithm component is an implementation of an algorithm which is not intended to be a sta
Therefore, the design of algorithm components must also incorporate software-engineering asp
new, unforeseen contex ...

Keywords: algorithm engineering

65 Dynamic analysis of security protocols



Alec Yasinsac

February 2001

Proceedings of the 2000 workshop on New security paradigms NSPW '00

Publisher: ACM Press

Full text available: [pdf\(871.04 KB\)](#)

[Additional Information: full citation, references, citings, index te](#)

66 The Satchel system architecture: mobile access to documents and services

Mike Flynn, David Pendlebury, Chris Jones, Marge Eldridge, Mik Lamming

December 2000

Mobile Networks and Applications, Volume 5 Issue 4

Publisher: Kluwer Academic Publishers

Full text available: [pdf\(207.51 KB\)](#)

[Additional Inform](#)

Mobile professionals require access to documents and document‐related services, such a
face‐to‐face, and with similar security characteristics. The Satchel system provides
as a pager or mobile phone. Printing may be per ...

67 Testing Intrusion detection systems: a critique of the 1998 and 1999 DARPA intrusion det



November 2000

ACM Transactions on Information and System Security (TISSEC)

Publisher: ACM Press

Full text available: [pdf\(156.16 KB\)](#)

[Additional Inform](#)

In 1998 and again in 1999, the Lincoln Laboratory of MIT conducted a comparative evaluation
undertaking, there are a number of issues associated with its design and execution that remain
evaluators have published relatively little concer ...

Keywords: computer security, intrusion detection, receiver operating curves (ROC), software

68 PicturePiper: using a re-configurable pipeline to find images on the Web



Adam M. Fass, Eric A. Bier, Eyton Adar

November 2000

Proceedings of the 13th annual ACM symposium on User interface softwa

Publisher: ACM Press

Full text available: [pdf\(364.31 KB\)](#)

[Additional Information: full citation, references, index tern](#)

Keywords: WWW searching, dataflow, image retrieval, pipeline

69 Process migration



Dejan S. Milošević, Fred Douglass, Yves Paindaveine, Richard Wheeler, Songnian Zhou
September 2000

ACM Computing Surveys (CSUR), Volume 32 Issue 3

Publisher: ACM Press

Full text available: pdf(1.24 MB)

Additional Inform

Process migration is the act of transferring a process between two machines. It enables dynam migration has not achieved widespread use. With the increasing deployment of distributed syst product development. As hi ...

Keywords: distributed operating systems, distributed systems, load distribution, process migr

70 Cellular disco: resource management using virtual clusters on shared-memory multiproce:



Kinshuk Govil, Dan Teodosiu, Yongqiang Huang, Mendel Rosenblum
August 2000

ACM Transactions on Computer Systems (TOCS), Volume 18 Issue 3

Publisher: ACM Press

Full text available: pdf(287.05 KB)

Additional Inform

Despite the fact that large-scale shared-memory multiprocessors have been commercially avai making the required changes to the operating system. A recently proposed approach, called Di technology. In this paper we present a ...

Keywords: fault containment, resource managment, scalable multiprocessors, virtual machine

71 Garbage collection of timestamped data in Stampede



Rishiyur S. Nikhil, Umakishore Ramachandran
July 2000

Proceedings of the nineteenth annual ACM symposium on Principi

Publisher: ACM Press

Full text available: pdf(856.49 KB)

Additional Inform

Stampede is a parallel programming system to facilitate the programming of interactive multir via channels, which are distributed, synchronized data structures containing timestamped data may produce ...

72 Chimera: hypermedia for heterogeneous software development enviroments



Kenneth M. Anderson, Richard N. Taylor, E. James Whitehead
July 2000

ACM Transactions on Information Systems (TOIS), Volume 18 Issue 3

Publisher: ACM Press

Full text available: pdf(864.32 KB)

Additional Inform

Emerging software development environments are characterized by heterogeneity: they are co heterogeneous setting. Central notions of the approach include the following: anchors are estal a ...

Keywords: heterogeneous hypermedia, hypermedia system architectures, link servers, open l

73 Improving interactive performance using TIPME



Yasuhiro Endo, Margo Seltzer
June 2000

ACM SIGMETRICS Performance Evaluation Review , Proceedings
Volume 28 Issue 1

Publisher: ACM Press

Full text available: pdf(1.05 MB)

Additional Inform

On the vast majority of today's computers, the dominant form of computation is GUI-based us

perception of performance is affected by unexpectedly long delays. However, most performance system, they do little ...

Keywords: interactive performance, monitoring

74 Asynchronous information space analysis architecture using content and structure-based



Ke-Thia Yao, In-Young Ko, Ragy Eleish, Robert Neches

June 2000

Proceedings of the fifth ACM conference on Digital libraries DL '00

Publisher: ACM Press

Full text available: [pdf\(470.15 KB\)](#)

[Additional Information](#)

Our project focuses on rapid formation and utilization of custom collections of information for a complex and sophisticated task. It requires understanding what information management services complex analyses. This paper describes ...

Keywords: asynchronous service access, component architecture, content and structure, data

75 Piranha: a scalable architecture based on single-chip multiprocessing



Luiz André Barroso, Kourosh Gharachorloo, Robert McNamara, Andreas Nowatzky, Shaz Qadeer, E

May 2000

ACM SIGARCH Computer Architecture News , Proceedings of the

Publisher: ACM Press

Full text available: [pdf\(191.10 KB\)](#)

[Additional Information](#)

The microprocessor industry is currently struggling with higher development costs and longer designs are especially ill suited for important commercial applications, such as on-line transaction applications constitute by far ...

76 Runtime dynamics in collaborative systems



Du Li, Richard R. Muntz

November 1999

Proceedings of the international ACM SIGGROUP conference on

Publisher: ACM Press

Full text available: [pdf\(1.53 MB\)](#)

[Additional Information](#)

The importance of supporting flexible roles and dynamic policies has long been recognized in the taxonomy of runtime dynamics in collaborative systems in general and discusses our solution in a role can be transferred from one ...

Keywords: CSCW, collaboration, collaborative systems, distributed computing, dynamic recon

77 Sequential thematic organization of publications: how to achieve coherence in proposals



J. R. Tracey, D. E. Rugh, W. S. Starkey

August 1999 **ACM SIGDOC Asterisk Journal of Computer Documentation**, Volume 23 Issue 3

Publisher: ACM Press

Full text available: [pdf\(3.80 MB\)](#)

[Additional Information:](#) [full citation](#), [index terms](#)

78 Flexible collaboration transparency: supporting worker independence in replicated applica



James Begole, Mary Beth Rosson, Clifford A. Shaffer

June 1999

ACM Transactions on Computer-Human Interaction (TOCHI), Vol

Publisher: ACM Press

Full text available: [pdf\(312.22 KB\)](#)

[Additional Information](#)

This article presents a critique of conventional collaboration transparency systems, also called ' collaboration transparency systems are inefficient in their use of network resources and lack su implementing collaborat ...

Keywords: Flexible JAMM, Java, application sharing, collaboration transparency, computer-su

79 Flexible control of downloaded executable content



Trent Jaeger, Atul Prakash, Jochen Liedtke, Nayeem Islam
May 1999

ACM Transactions on Information and System Security (TISSEC)

Publisher: ACM Press

Full text available: [pdf\(297.79 KB\)](#)

Additional Inform

We present a security architecture that enables system and application a ccess control requirer downloaded from remote hosts that contain executables that run, upon receipt, on the downlo: private data and sending messages on th ...

Keywords: access control models, authentication, autorization machanisms, collaborative syst

80 Summary of the sigmetrics symposium on parallel and distributed processing



Jeffrey K. Hillingsworth, Barton P. Miller

March 1999 **ACM SIGMETRICS Performance Evaluation Review**, Volume 26 Issue 4

Publisher: ACM Press

Full text available: [pdf\(1.17 MB\)](#)

Additional Information: [full citation](#), [index terms](#)

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81 [Migrating sockets—end system support for networking with quality of service guarantees](#)

David K. Y. Yau, Simon S. Lam

December 1998 **IEEE/ACM Transactions on Networking (TON)**, Volume 6 Issue 6

Publisher: IEEE Press

Full text available: [pdf\(369.10 KB\)](#)

Additional Information: [full citation](#), [references](#), [index term](#)

Keywords: CPU scheduling, bandwidth scheduling, packet demultiplexing, quality of service g

82 [StarT-Voyager: a flexible platform for exploring scalable SMP issues](#)

Boon S. Ang, Derek Chiou, Daniel L. Rosenband, Mike Ehrlich, Larry Rudolph, Arvind

November 1998

Proceedings of the 1998 ACM/IEEE conference on Supercomput

Publisher: IEEE Computer Society

Full text available: [html\(49.51 KB\)](#)

Additional Inform

This paper describes StarT-Voyager, a machine designed as an experimental platform for rese: PowerPC-based SMP to the MIT Arctic network. The NIU is highly flexible, with its set of functio implementation strategies on a common platform. Its ...

Keywords: configurable hardware, flexible, message passing, network interface unit, parallel

83 [Special issue on natural language generation: Generating natural language summaries fr](#)

Dragomir R. Radev, Kathleen R. McKeown

September 1998

Computational Linguistics, Volume 24 Issue 3

Publisher: MIT Press



Full text available: [pdf\(2.36 MB\)](#) [Publisher Site](#)

Additional Inform



We present a methodology for summarization of news about current events in the form of brie developed for the DARPA Message Understanding Conferences to generate summaries of multi information. We describe the various components ...

84 [Memory consistency and event ordering in scalable shared-memory multiprocessors](#)

Kourosh Gharachorloo, Daniel Lenoski, James Laudon, Phillip Gibbons, Anoop Gupta, John Hennes

-  August 1998 **25 years of the international symposia on Computer architecture (selected papers)**
Publisher: ACM Press
Full text available:  [pdf\(1.66 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

85 Version models for software configuration management

-  Reidar Conradi, Bernhard Westfechtel
June 1998 **ACM Computing Surveys (CSUR)**, Volume 30 Issue 2
Publisher: ACM Press
Full text available:  [pdf\(483.54 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

After more than 20 years of research and practice in software configuration management (SCM) underlying both commercial systems and research prototypes. It provides an overview and changes. In particular, we focus on...

Keywords: changes, configuration rules, configurations, revisions, variants, versions



86 The design, implementation, and evaluation of Jade

-  Martin C. Rinard, Monica S. Lam
May 1998 **ACM Transactions on Programming Languages and Systems (TOPLAS)**
Publisher: ACM Press
Full text available:  [pdf\(576.88 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Jade is a portable, implicitly parallel language designed for exploiting task-level concurrency. Jade allows the program access data. The Jade implementation uses this data access information to transform the original serial program into a parallel program...

Keywords: parallel computing, parallel programming languages


87 Software process modeling and execution within virtual environments

-  John C. Doppke, Dennis Heimbigner, Alexander L. Wolf
January 1998 **ACM Transactions on Software Engineering and Methodology (TOSEM)**
Publisher: ACM Press
Full text available:  [pdf\(232.51 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

In the past, multiuser virtual environments have been developed as venues for entertainment. The importance of a mapping between the real and the virtual that permits the representation of the real domain of software...

Keywords: MOO, MUD, PROMO, software process, tools, virtual environments

88 Fast detection of communication patterns in distributed executions

- Thomas Kunz, Michiel F. H. Seuren
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies**
Publisher: IBM Press
Full text available:  [pdf\(4.21 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on Poet, an event tracer developed at the University of Waterloo. However, these diagrams are of occurrences of non-trivial communication...

89 Ada-Java communication in ADEPT




Publisher: ACM Press

Additional Information: full citation, references, index term

⁹⁰ Exploiting the non-determinism and asynchrony of set iterators to reduce aggregate file I/

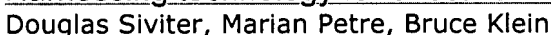


ACM SIGOPS Operating Systems Review , Proceedings of the sixteenth

Full text available:  pdf(1.87 MB)

Additional Information: full citation, reference

⁹¹ Harnessing technology for effective inter- and intra-institutional collaboration: report of the



ACM SIGCUE Outlook, Volume 25 Issue 4

Full text available: pdf(2.66 MB)

Additional Inform

The computer science discipline is well poised to provide leading examples of harnessing computing for the benefit of society. Academics, and institutions all potentially have access to their counterparts world-wide. This provides a unique opportunity to attract funding and influence policy ...

92 The performance of μ -kernel-based systems

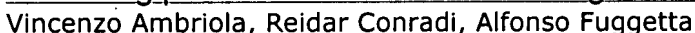


ACM SIGOPS Operating Systems Review, Proceedings of the sixteenth

Full text available: pdf(2.02 MB)

Additional Information: full citation, refereed

93 Assessing process-centered software engineering environments



ACM Transactions on Software Engineering and Methodology (TOSEM)

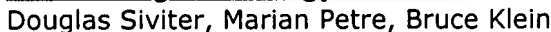
Full text available: [pdf\(342.52 KB\)](#).

Additional Inform

Process-centered software engineering environments (PSEEs) are the most recent generation of software engineering environments. A PSEE specifies how to carry out software development activities, the roles and tasks of software developers, and how they should communicate the process. If ...

Keywords: CASE, enabling technology, process modeling languages, process-centered software

94 Harnessing technology for effective inter- and intra-institutional collaboration (report of the



The supplemental proceedings of the conference on Integrating t

Full text available:  [pdf\(145.01 KB\)](#)

Additional Information:



95 Multi-thread graph: a system model for real-time embedded software synthesis

F. Thoen, J. Van Der Steen, G. de Jong, G. Goossens, H De Man

March 1997

Proceedings of the 1997 European conference on Design and Te

Publisher: IEEE Computer Society

Full text available:  [pdf\(758.90 KB\)](#)  [Publisher Site](#)

[Additional Inform](#)

Software synthesis is a new approach which focuses on the support of real-time embedded mu and maps this description automatically onto one or more processors. In this paper the interna presented. The model captures the fine-grain beha ...

Keywords: concurrency, concurrent process system specification, control flow concepts, data time embedded software synthesis, real-time systems, software synthesis methodology, synch



96 Developing and empirically evaluating robust explanation generators: the KNIGHT experi

James C. Lester, Bruce W. Porter

March 1997

Computational Linguistics, Volume 23 Issue 1

Publisher: MIT Press

Full text available:  [pdf\(2.64 MB\)](#)  [Publisher Site](#)

[Additional Inform](#)

To explain complex phenomena, an explanation system must be able to select information from discourse plans in text. Although recent years have witnessed significant progress in the development effort to empirically study explanation ge ...

97 Task dependence and termination in Ada



Laura K. Dillon

January 1997

ACM Transactions on Software Engineering and Methodology (T

Publisher: ACM Press

Full text available:  [pdf\(685.94 KB\)](#)

[Additional Inform](#)

This article analyzes the semantics of task dependence and termination in Ada. We use a control flow graph to model the execution of an Ada program. The termination rules prevent the data that be task instances that are created by i ...

Keywords: Ada tasking, distributed termination, master/dependent relation, task termination


98 Profiling a parallel language based on fine-grained communication

Bjoern Haake, Klaus E. Schauser, Chris Scheiman

November 1996

Proceedings of the 1996 ACM/IEEE conference on Supercomput

Publisher: IEEE Computer Society

Full text available:  [pdf\(198.94 KB\)](#)

[Additional Inform](#)

Fine tuning the performance of large parallel programs is a very difficult task. A profiling tool c In this paper we present a profiler for the fine-grained parallel programming language Split-C, make use of efficient ...

Keywords: Parallel programming, performance analysis, profiling, fine-grained communication

99 Handling uncertainties in workflow applications




Jian Tang, San-Yih Hwang

November 1996

Proceedings of the fifth international conference on Information and kno

Publisher: ACM Press

Full text available:  [pdf\(833.51 KB\)](#)

[Additional Information:](#) [full citation](#), [references](#), [citations](#), [in](#)

100 Environmental acquisition: a new inheritance-like abstraction mechanism



Joseph Gil, David H. Lorenz

October 1996

ACM SIGPLAN Notices , Proceedings of the 11th ACM SIGPLAN c

Publisher: ACM Press

Full text available: pdf(2.40 MB)

Additional Inform

The class of an object is not necessarily the only determiner of its runtime behaviour. Often it object-oriented programming provides no support for this concept, and little recognition of its context of *object ag* ...

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